

memorandum

DATE: February 6, 2003

REPLY TO

ATTN OF: Office of Environmental Policy and Guidance: Boulos: 6-1306

SUBJECT: Clean Air Act Notice of Acceptability of Substitutes for Ozone-Depleting Substances.

TO: Distribution

The purpose of this memorandum is to inform Department of Energy (DOE) program offices and field organizations that on December 20, 2002, the Environmental Protection Agency (EPA) issued a notice of acceptability in the *Federal Register* (67 FR 77927) on "Protection of Stratospheric Ozone: Notice 17 for Significant New Alternatives Policy Program." The notice is available at the Office of Environmental Policy and Guidance (EH-41) Home Page at: <http://www.eh.doe.gov/oepa/rules/67/67fr77927.pdf>.

Under Section 612 of the Clean Air Act, EPA established the Significant New Alternatives Policy (SNAP) program. SNAP's mandate is to identify alternatives to ozone-depleting substances (ODS) and to publish lists of acceptable and unacceptable substitutes. Comprehensive SNAP lists can be obtained through EPA's Stratospheric Ozone Protection Hotline at: 1-800-296-1996. Also, a complete chronology of SNAP decisions can be found at: <http://www.epa.gov/docs/ozone/snap/chron.html>.

The December 20 notice expands the list of acceptable substitutes for ODS under the EPA's SNAP program. New substitutes are identified and discussed for the refrigeration and air conditioning, solvents cleaning, fire suppression and explosion protection, and aerosols sectors. Appendix A of this notice provides a summary of acceptable decisions:

A. Refrigeration and Air Conditioning:

- (i) R-404A and R-507A are acceptable for use in new and retrofit equipment as substitutes for HCFC-22 and HCFC blends;
- (ii) RS-24 is acceptable for use in new and retrofit equipment as a substitute for CFC-12;
- (iii) NU-22 is acceptable for use in new and retrofit equipment as a substitute for R-502;
- (iv) R-407C is acceptable for use in new and retrofit equipment as a substitute for HCFC-22 and HCFC blends;
- (v) R-410A is acceptable for use in new equipment as a substitute for HCFC blends; and
- (vi) R-414B is acceptable for use in new and retrofit equipment as a substitute for CFC-12 and CFC-114.

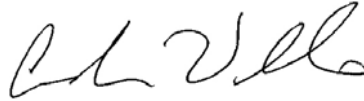
B. Solvent Cleaning:

- (i) HCFC-225ca and HCFC-225cb are acceptable for use as a substitute for CFC-113 and methyl chloroform in the metals cleaning end use.

C. Fire Suppression and Explosion Protection:

- (i) C6-perfluoroketone is acceptable as a substitute for halon 1301 in the total flooding end use for both normally occupied and unoccupied spaces.

Questions regarding this memorandum should be directed to Mr. Emile Boulos of my staff at: emile.boulos@eh.doe.gov; 202-586-1306.

A handwritten signature in black ink, appearing to read 'Andrew Wallo III', with a stylized, cursive script.

Andrew Wallo III
Director
Air, Water and Radiation Division